

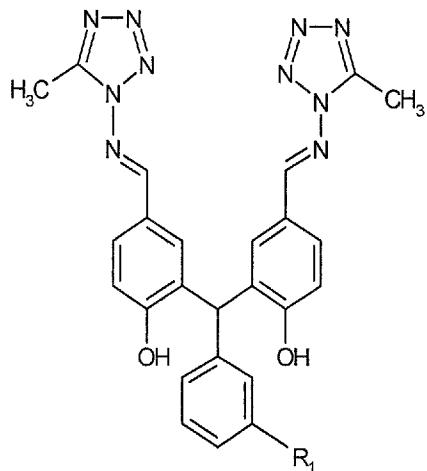
AMENDMENTS TO THE CLAIMS:

Kindly cancel claims 1, 4 and 6-35, without prejudice, and add new claims 36-67, as shown below.

This listing of claims will replace all prior versions and listings of claims in the Application:

Claims 1-35 (cancelled)

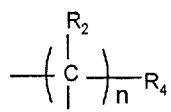
Claim 36 (new): A compound having the formula:



Ia

wherein:

R₁ represents a radical selected from the group consisting of

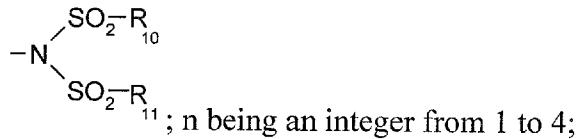


R₃, -NR₅R₆, -SO₂NR₇R₈, hydroxyalkyl, hydroxyalkoxy, polyhydroxyalkyl,

alkoxyalkoxy, polyfluoroalkyl, dialkylaminoalkyl, R₉, -OR₉,

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R₂ and R₃ are each independently selected from the group consisting of straight or branched chain alkyl and hydrogen;

R₄ is a radical selected from the group consisting of a substituted or unsubstituted phenyl radical, an unsubstituted or substituted heterocyclic radical, and -NR₁₂R₁₃;

R₅ and R₇ are independently selected from the group consisting of alkoxyalkyl, hydroxyalkyl, polyhydroxyalkyl, aralkyl, R₉, -(C=O)R₁₄ and -(C=O)R₉;

R₆, R₈, R₁₂, and R₁₃ are independently selected from the group consisting of hydrogen, alkyl, alkoxyalkyl, polyfluoroalkyl, hydroxyalkyl, polyhydroxyalkyl, aralkyl, R₉, -(C=O)R₁₅ and -(C=O)R₉;

or R₅ and R₆ taken together with the nitrogen to which they are attached form a substituted or unsubstituted heterocyclic radical, said heterocyclic radical optionally containing one to two additional heteroatoms independently selected from the group consisting nitrogen, oxygen, and sulfur;

or R₇ and R₈ taken together with the nitrogen to which they are attached form a substituted or unsubstituted heterocyclic radical, said heterocyclic radical optionally containing one to two additional heteroatoms independently selected from the group consisting nitrogen, oxygen, and sulfur;

said phenyl and heterocyclic radical substituents being at least one selected from the group consisting of alkyl, amino, hydroxy, carbonyl, monoalkylamino, dialkylamino, halogen, and alkoxy;

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R₉ is a radical of the formula -W-O(C=O)-CH₃, W being a straight- or branched- chain alkylene group of 1 to 6 carbon atoms;

R₁₀ and R₁₁ are radicals independently selected from the group consisting of alkyl, halo, haloalkyl, and polyfluoroalkyl;

R₁₄ is a hydroxyalkyl, alkoxyalkyl or cycloalkyl group;

R₁₅ is an alkyl, hydroxyalkyl, alkoxyalkyl or cycloalkyl group, and pharmaceutically acceptable salts of said compound.

Claim 37 (new): A compound according to claim 36, selected from the group consisting of:

2,2'-[[3-(2,2,2-Trifluoroethyl)phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-(4-Morpholinyl)phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-(1-Piperidinyl)phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-(4-Morpholinylsulfonyl)phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-(Methoxyethoxy)phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[[3-Bis(phenylmethyl)amino]phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[1-(4-Methylpiperazinyl)methyl]phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

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2,2'-[[3-(Diethylaminomethyl)phenyl]methylene]bis[4-[[5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-(Dimethylaminomethyl)phenyl]methylene]bis[4-[[5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[4-(Morpholinyl)methyl]phenyl]methylene]bis[4-[[5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[N-(4-Hydroxybutyl)-N-ethylamino]phenyl]methylene]bis[4-[[5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[2-(1,1-Dioxide-2,3,4,5-tetrahydro)isothiazolyl]phenyl]methylene]bis[4-[[5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[N-(3-Hydroxypropyl)-N-ethylamino]phenyl]methylene]bis[4-[[5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[N-(2-Hydroxyethyl)-N-ethylamino]phenyl]methylene]bis[4-[[5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[1-(4-Hydroxypiperidinyl)]phenyl]methylene]bis[4-[[5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[N-(3-Hydroxypropyl)-N-methylamino]phenyl]methylene]bis[4-[[5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[N-(4-Acetoxybutyl)-N-ethylamino]phenyl]methylene]bis[4-[[5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[N-(2-Hydroxyethyl)-N-methylamino]phenyl]methylene]bis[4-[[5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

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2,2'-[[3-[N-(4-Hydroxybutyl)-N-methylamino]phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

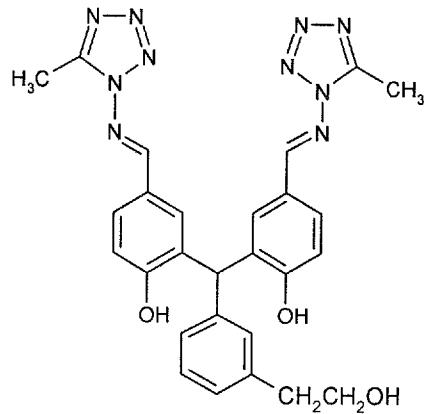
2,2'-[[3-[N-(2-Hydroxyethyl)-N-propylamino]phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[N-(4-Hydroxybutyl)-N-propylamino]phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[N-(6-Hydroxyhexyl)-N-ethylamino]phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol; and

2,2'-[[3-[N-(5-Hydroxypentyl)-N-ethylamino]phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol.

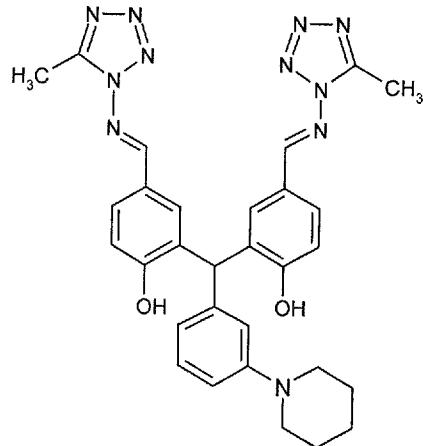
Claim 38 (new): The compound according to claim 36 having the formula:



Claim 39 (new): The compound according to claim 36 having the formula:

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Claim 40 (new): The compound according to claim 36 having the name 2,2'-[[3-[N-(4-Hydroxybutyl)-N-ethylamino]phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol.

Claim 41 (new): The compound according to claim 36 having the name 2,2'-[[3-[N-(2-Hydroxyethyl)-N-methylamino]phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol.

Claim 42 (new): The compound according to claim 36 having the name 2,2'-[[3-[N-(2-Hydroxyethyl)-N-ethylamino]phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol.

Claim 43 (new): A pharmaceutical composition for treating or preventing pneumovirus infection, said composition comprising a compound according to claim 36 in an amount effective to attenuate infectivity of said virus, and a pharmaceutically acceptable carrier medium.

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Claim 44 (new): A pharmaceutical composition according to claim 43, further comprising at least one supplemental active agent selected from the group consisting of interferon, ribavirin and an immunomodulator, an immunoglobulin, an anti-inflammatory agent, an antibiotic, an anti-viral and an anti-infective.

Claim 45 (new): A pharmaceutical composition according to claim 43, wherein said pharmaceutically acceptable carrier medium comprises ethanol.

Claim 46 (new): A pharmaceutical composition according to claim 43, wherein said pharmaceutically acceptable carrier medium comprises propylene glycol.

Claim 47 (new): A pharmaceutical composition according to claim 43, wherein said pharmaceutically acceptable carrier medium comprises water.

Claim 48 (new): A pharmaceutical composition according to claim 45, wherein said pharmaceutically composition comprises at least 50% ethanol.

Claim 49 (new): A pharmaceutical composition according to claim 45, wherein said pharmaceutically composition comprises at least 60% ethanol.

Claim 50 (new): A pharmaceutical composition according to claim 45, wherein said pharmaceutically composition comprises at least 70% ethanol.

Claim 51 (new): A pharmaceutical composition according to claim 45, wherein said pharmaceutically composition comprises at least 80% ethanol.

Claim 52 (new): A pharmaceutical composition according to claim 45, wherein said pharmaceutically composition comprises at least 90% ethanol.

Claim 53 (new): A pharmaceutical composition according to claim 52, wherein said pharmaceutically composition comprises less than 5% water.

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Claim 54 (new): A pharmaceutical composition according to claim 45, wherein said pharmaceutically acceptable carrier medium comprises ethanol, water, and propylene glycol.

Claim 55 (new): A pharmaceutical composition according to claim 54, wherein said pharmaceutically composition comprises about 85% ethanol, about 10% propylene glycol, and about 5% water.

Claim 56 (new): A method of treatment of pneumovirus infection in a patient in need of said treatment, said method comprising administering to said patient a therapeutically effective amount of a compound according to claim 36.

Claim 57 (new): A method as claimed in claim 56, wherein said compound is administered through inhalation or intubation.

Claim 58 (new): A method as claimed in claim 56, wherein said compound is administered by an electrohydrodynamic delivery device.

Claim 59 (new): A method as claimed in claim 56, wherein said electrohydrodynamic delivery device is hand-held.

Claim 60 (new): A method as claimed in claim 58, wherein said electrohydrodynamic delivery device is disposable.

Claim 61 (new): A method as claimed in claim 58, wherein said electrohydrodynamic delivery device is for a single user.

Claim 62 (new): A method as claimed in claim 58, wherein said electrohydrodynamic delivery device comprises a removable mouthpiece.

Claim 63 (new): A method as claimed in claim 58, wherein said electrohydrodynamic delivery device comprises a mask.

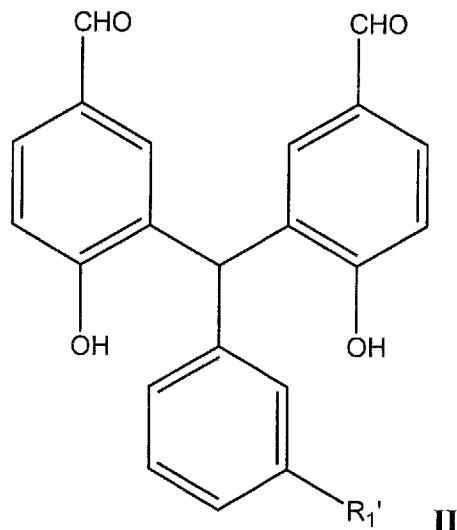
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Claim 64 (new): A method of treating cells in culture that are susceptible to infection by, or infected or contaminated with a pneumovirus, said method comprising administering to said cultures an effective amount of a compound according to claim 36.

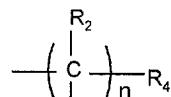
Claim 65 (new): A method of treating biological materials that are susceptible to infection by, or infected or contaminated with a pneumovirus, said method comprising administering to said materials an effective amount of a compound according to claim 36.

Claim 66 (new): A compound having the formula:



wherein:

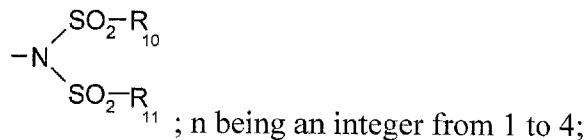
R_1' represents a radical selected from the group consisting of



, $-NR_5R_6$, $-SO_2NR_7R_8$, hydroxyalkyl, hydroxyalkoxy, polyhydroxyalkyl, alkoxyalkoxy, polyfluoroalkyl, dialkylaminoalkyl, R_9 , $-OR_9$,

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R₂ and R₃ are each independently selected from the group consisting of straight or branched chain alkyl and hydrogen;

R₄ is a radical selected from the group consisting of a substituted or unsubstituted phenyl radical, an unsubstituted or substituted heterocyclic radical, and -NR₁₂R₁₃;

R₅ and R₇ are independently selected from the group consisting of alkoxyalkyl, hydroxyalkyl, polyhydroxyalkyl, aralkyl, R₉, -(C=O)R₁₄ and -(C=O)R₉;

R₆, R₈, R₁₂, and R₁₃ are independently selected from the group consisting of hydrogen, alkyl, alkoxyalkyl, polyfluoroalkyl, hydroxyalkyl, polyhydroxyalkyl, aralkyl, R₉, -(C=O)R₁₅ and -(C=O)R₉;

or R₅ and R₆ taken together with the nitrogen to which they are attached form a substituted or unsubstituted heterocyclic radical, said heterocyclic radical optionally containing one to two additional heteroatoms independently selected from the group consisting nitrogen, oxygen, and sulfur;

or R₇ and R₈ taken together with the nitrogen to which they are attached form a substituted or unsubstituted heterocyclic radical, said heterocyclic radical optionally containing one to two additional heteroatoms independently selected from the group consisting nitrogen, oxygen, and sulfur;

said phenyl and heterocyclic radical substituents being at least one selected from the group consisting of alkyl, amino, hydroxy, carbonyl, monoalkylamino, dialkylamino, halogen, and alkoxy;

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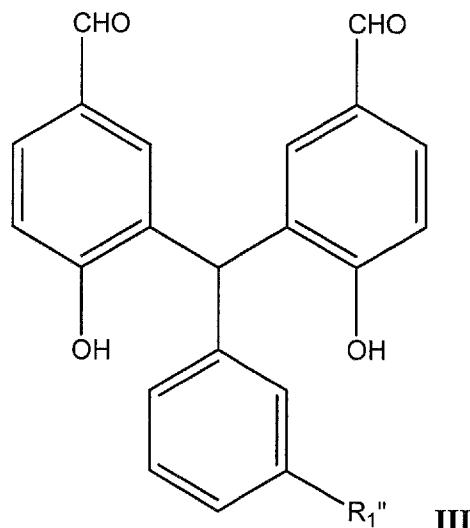
R₉ is a radical of the formula -W-O(C=O)-CH₃, W being a straight- or branched- chain alkylene group of 1 to 6 carbon atoms;

R₁₀ and R₁₁ are radicals independently selected from the group consisting of alkyl, halo, haloalkyl, and polyfluoroalkyl;

R₁₄ is a hydroxyalkyl, alkoxyalkyl or cycloalkyl group;

R₁₅ is an alkyl, hydroxyalkyl, alkoxyalkyl or cycloalkyl group, and pharmaceutically acceptable salts of said compound.

Claim 67 (new): A compound having the formula:



wherein R_b is selected from the group consisting of -CH₂OCH₃, -CH₂OCH₂CH₃, -

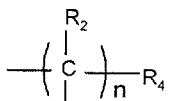
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CH(CH₃) OCH₂CH₃, -CH₂-OCH₂CH₂-OCH₃, , -CH₂-OCH₂CH₂-Si(CH₃)₃, -CH₃, -CH₂C₆H₅, -(CH₂)₂Si(CH₃)₃, -CON(R_cR_d)₂, -CSN(R_cR_d)₂, and -PO(NR_cR_d)₂;

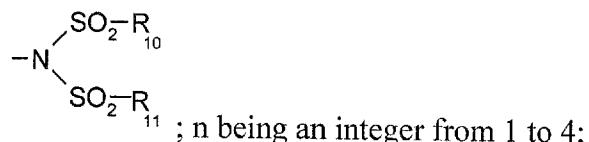
R_c and R_d are independently selected from an alkyl group;

R₁" represents a radical selected from the group consisting of



, -NR₅R₆, -SO₂NR₇R₈, hydroxyalkyl, hydroxyalkoxy, polyhydroxyalkyl,

alkoxyalkoxy, polyfluoroalkyl, dialkylaminoalkyl, R₉, -OR₉,



R₂ and R₃ are each independently selected from the group consisting of straight or branched chain alkyl and hydrogen;

R₄ is a radical selected from the group consisting of a substituted or unsubstituted phenyl radical, an unsubstituted or substituted heterocyclic radical, and -NR₁₂R₁₃;

R₅ and R₇ are independently selected from the group consisting of alkoxyalkyl, hydroxyalkyl, polyhydroxyalkyl, aralkyl, R₉, -(C=O)R₁₄ and -(C=O)R₉;

R₆, R₈, R₁₂, and R₁₃ are independently selected from the group consisting of hydrogen, alkyl, alkoxyalkyl, polyfluoroalkyl, hydroxyalkyl, polyhydroxyalkyl, aralkyl, R₉, -(C=O)R₁₅ and -(C=O)R₉;

or R₅ and R₆ taken together with the nitrogen to which they are attached form a substituted or unsubstituted heterocyclic radical, said heterocyclic radical optionally containing one to two additional heteroatoms independently selected from the group consisting nitrogen, oxygen, and sulfur;

or R₇ and R₈ taken together with the nitrogen to which they are attached form a substituted or unsubstituted heterocyclic radical, said heterocyclic radical optionally containing

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one to two additional heteroatoms independently selected from the group consisting nitrogen, oxygen, and sulfur;

said phenyl and heterocyclic radical substituents being at least one selected from the group consisting of alkyl, amino, hydroxy, carbonyl, monoalkylamino, dialkylamino, halogen, and alkoxy;

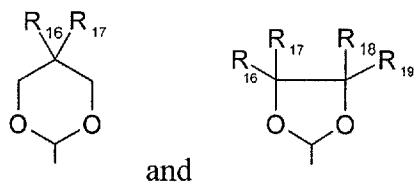
R₉ is a radical of the formula -W-O(C=O)-CH₃, W being a straight- or branched- chain alkylene group of 1 to 6 carbon atoms;

R₁₀ and R₁₁ are radicals independently selected from the group consisting of alkyl, halo, haloalkyl, and polyfluoroalkyl;

R₁₄ is a hydroxyalkyl, alkoxyalkyl or cycloalkyl group;

R₁₅ is an alkyl, hydroxyalkyl, alkoxyalkyl or cycloalkyl group;

P is a protected formaldehyde group selected from the group consisting of



wherein R₁₆, R₁₇, R₁₈ and R₁₉ are independently selected from the group consisting of hydrogen and alkyl; and pharmaceutically acceptable salts of said compound.

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